

Work Order ID 142938

Friday, March 11, 2016 4:05:56 PM

142938

Page 1

Item ID: D3320-043 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Webbing
 Start Date: 3/14/2016 Start Qty: 5.00 ***5*** Cust Item ID:
 Required Date: 4/1/2016 Req'd Qty: 5.00 ***5*** Customer:
 Reference:

Approvals: Process Plan: MA Date: 163-11 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3320	Rev D								

100 PURCHASING 0.00 ***100*** **DAS**
 Purchasing **5** **13**
 Purchasing **MAR 14 2016** **9-89**

Memo
 Issue P/O: 31694 Fabricate D3320-043 as per Dwg D3320Possible
 Supplier: Aerotex or Tulmar Material: Nylon, MIL-W-4088K, Type XVII,
 Class 1A, color red
 Material release note is required

110 Receive & Inspect for Damage & Mat'l Certs 0.00 ***110***
 Packaging **CX** **16103/31** **5**
 Packaging Memo 0.00
 Ensure Material Release Note is attached

120 QC5- Inspect part completeness to step on W/O 0.00 ***120*** **DAS**
 QC **5** **38**
 Quality Control Memo 0.00 **9-89**
APR 08 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause			FAULT CATEGORY							
Environment ☐	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong
Design ☐	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions
Doc/Data ☐	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance
Equip/Tooling ☐	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect
Handling/Pre ☐	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing
Material ☐	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved
Internal Transport ☐	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing
Tribal Knowledge ☐	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish
LOA ☐	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread
Substation ☐	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence
Past Expiry Date ☐	☐	Manufacturing Process	OTHER : _____							
Misidentified ☐	☐	Past Due								

Work Order ID 142938

Friday, March 11, 2016 4:05:56 PM

142938

Page 2

Item ID: D3320-043

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Webbing

Stop ***NS2***

Start Date: 3/14/2016 Start Qty: 5.00

5

Cust Item ID:

Required Date: 4/1/2016 Req'd Qty: 5.00

5

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start ***NR1***Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <u>S7504</u>	0.00							
130									
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

5
APR 08 2016MCS
APR 11 2016MCS
APR 11 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval				
Description Work Order Deviation				Disposition							
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		☐ Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter		FAULT CATEGORY		☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes		☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center		☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence	
		☐ OTHER : _____									

Picklist Print

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Page 1

Work Order ID: 142938

142938

Parent Item: D3320-043

D3320-043

Parent Item Name: Webbing

Start Date: 3/14/2016

Required Date: 4/1/2016

Start Qty: 5.00

Required Qty: 5.00

Comments:

IPP: A 05.02.09 New Issue KJ/JLM

IPP Rev:B 08-05-14 chg to revC as per dwg DD verified by:EC

IPP Rev:C 08-07-23 revD as per dwg (ecn 08-503) DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3320-043P		Purchased	No			110	Each	0.0000	1	5			DAS
D3320-043P									**				13
Webbing												MAR 31 2016	9-89

DQA: _____ Date: _____

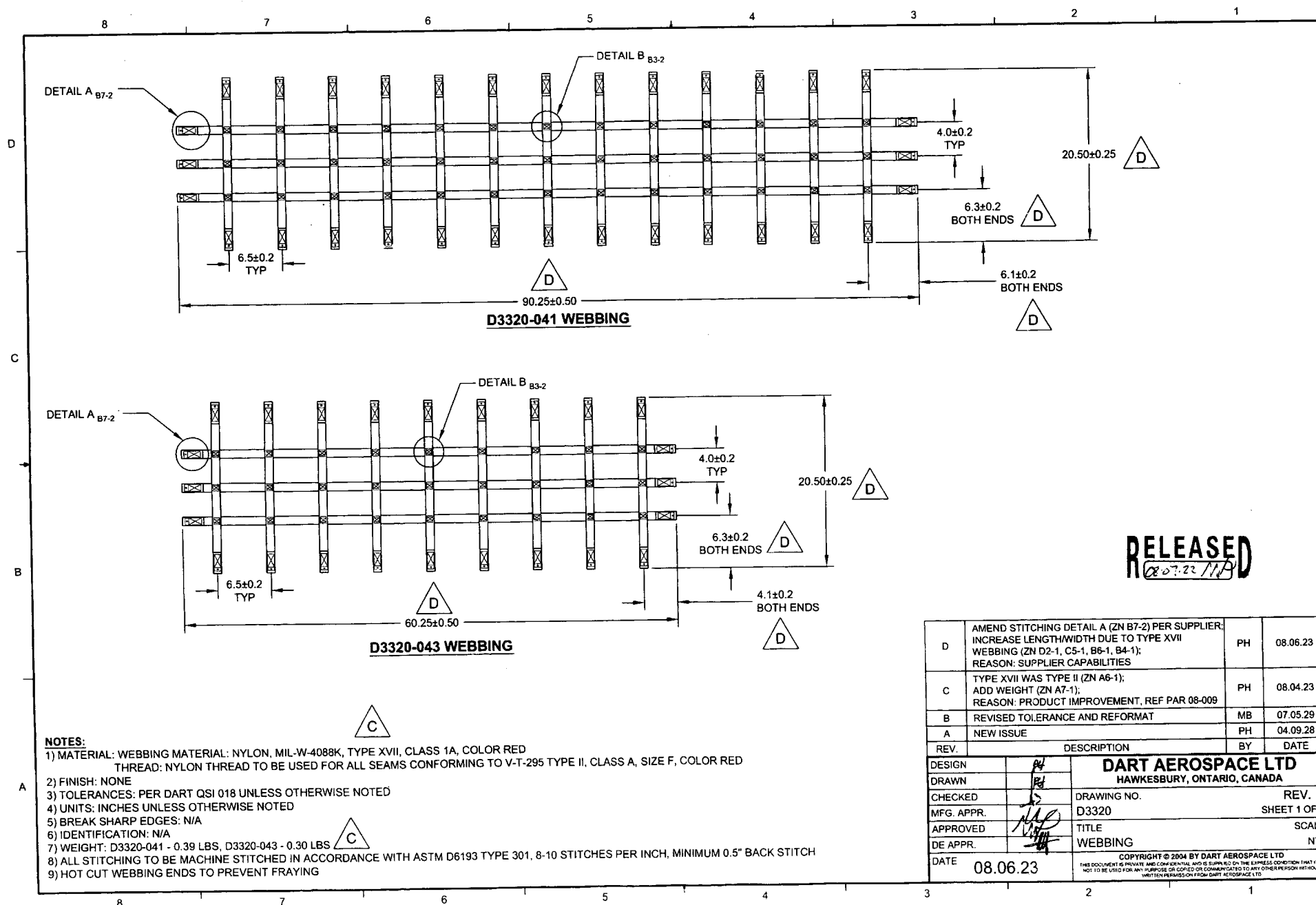


WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

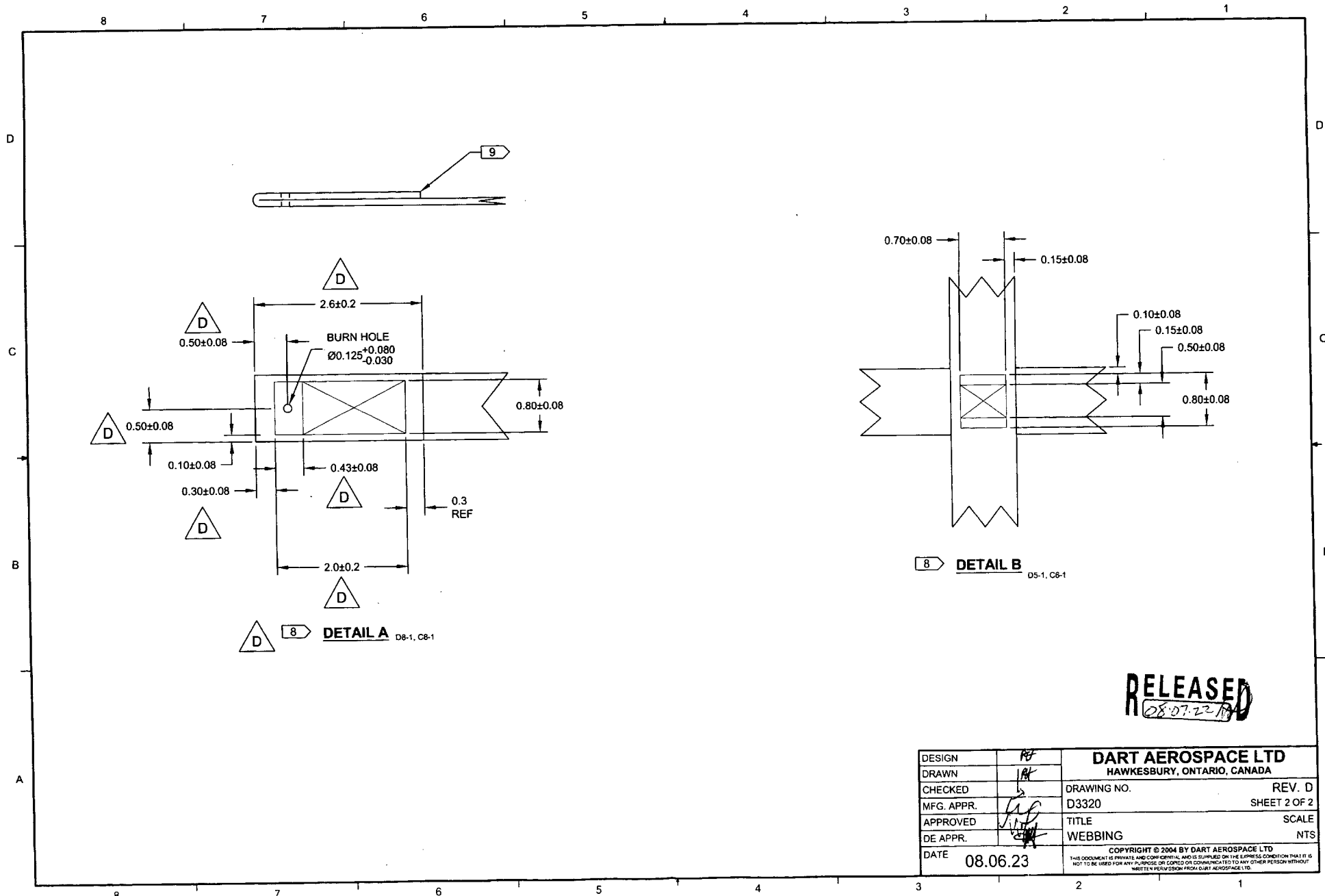
Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																



NOTES:

- 1) MATERIAL: WEBBING MATERIAL: NYLON, MIL-W-4088K, TYPE XVII, CLASS 1A, COLOR RED
THREAD: NYLON THREAD TO BE USED FOR ALL SEAMS CONFORMING TO V-T-295 TYPE II, CLASS A, SIZE F, COLOR RED
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: D3320-041 - 0.39 LBS, D3320-043 - 0.30 LBS
- 8) ALL STITCHING TO BE MACHINE STITCHED IN ACCORDANCE WITH ASTM D6193 TYPE 301, 8-10 STITCHES PER INCH, MINIMUM 0.5" BACK STITCH
- 9) HOT CUT WEBBING ENDS TO PREVENT FRAYING

D	AMEND STITCHING DETAIL A (ZN B7-2) PER SUPPLIER; INCREASE LENGTH/WIDTH DUE TO TYPE XVII WEBBING (ZN D2-1, CS-1, B6-1, B4-1); REASON: SUPPLIER CAPABILITIES	PH	08.06.23
C	TYPE XVII WAS TYPE II (ZN A6-1); ADD WEIGHT (ZN A7-1); REASON: PRODUCT IMPROVEMENT, REF PAR 08-009	PH	08.04.23
B	REVISED TOLERANCE AND REFORMAT	MB	07.05.29
A	NEW ISSUE	PH	04.09.28
REV.	DESCRIPTION	BY	DATE
DESIGN	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.	WEBBING		
DATE	08.06.23	COPYRIGHT © 2004 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



RELEASED
08.07.22

DESIGN	RE	DART AEROSPACE LTD	
DRAWN	AK	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. D
MFG. APPR.		D3320	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		WEBBING	NTS
DATE	08.06.23	COPYRIGHT © 2004 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO31694

Purchase Order Date 3/14/2016
PO Print Date 3/14/2016

Page Number 1 of 2

Order From :

VC-AER003

Ship To : DART AEROSPACE LTD

AEROTEX INTERIORS INC.
2340 PEGASUS WAY NE
UNIT 151
CALGARY, AB T2E 8M5
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

MAR 15 2016

Contact Name

Vendor Phone 403 295 8770

Ship To Contact

Ship To Phone

Ship Via: FedEx Economy collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	D3320-043P	Webbing	3/30/2016 Yes 3/30/2016		5.00 Each	\$190.00	\$950.00
AS PER DWG D3320 REV. D B142938 C216103/31							Line Total: \$950.00
2	71401-45	PROCUREMENT QUALITY CLAUSES	3/30/2016 Yes 3/30/2016		1.00	\$65.00	\$65.00
Procurement Quality Clauses A004 faa-pma/tso A005 right of entry A016 personnel qualification A025 certification of conformance A040 notification of quality escape A041 quality management A042 dart noyification by supplier A043 retention of quality documents							

Note:

3/14/2016



151-2340 Pegasus Way NE
Calgary, AB T2E 8M5
PH: 403.295.8770 FX: 403.313.0793
EM: info@aerotex.ca WS: www.aerotex.ca

Ship: Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA

Customer Phone
613.632.5200

Customer Fax
613.632.1053

Ship Via
FedEx P1

Courier Acct No.
151793240

Description

1 WEBBING AS PER DWG D3320 REV. D B142938

Documentation Fee:
Additional processing service for streamlining documentation and
batch control into our AO 72-01. Release of Certification of
Conformance.
GST On Sales

Packing Slip.

Date Packing Slip#

3/30/2016 16-204

Bill: Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ontario K6A 1K7
CANADA

Email: dbates@dartaero.com

Ship Date P.O. No.

3/28/2016 PO31694

PN	Qty	Ordered
D3320-043P	5	5
71401-45	1	1

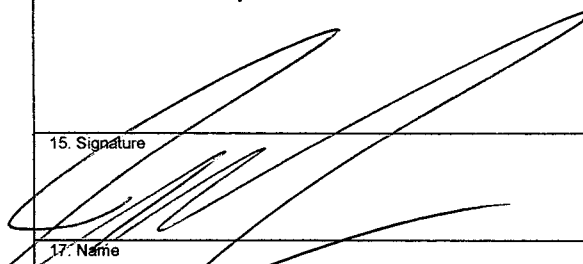
C216103131

Thank you for doing business with Aerotex Interiors!

GST/HST No.

139110308

"your one stop shop for all your aircraft interior needs"
www.aerotex.ca

1. Organization issuing certificate. Aerotex Interiors Inc., #151-2340 Pegasus Way NE Calgary, AB T2E 8M5		2. CERTIFICATE OF CONFORMANCE					3. Work Order / Contract / Invoice 16-204	
4. Customer Name/Address DART Aerospace LTD 1270 Aberdeen Hawkesbury, ON K6A 1K7 CANADA							5. Purchase Order PO31694	
6. Unit	7. Materials Used for Items	8. Specifications	9. Batch	10. Item	11. Part Number	12. Quantity	13. Status	
1	Webbing Material: Nylon (Red)	MIL-W-4088K, Type XVII, Class 1A	6163	Webbing (Red)	D3320-043P	5	NEW	
2	Thread: Nylon Thread (Red)	V-T-295 Type II, Class A, Size F	6745					
14. Remarks I certify that the materials supplied for the Purchase/Repair Order listed above conform to Aerotex Interiors' material/process specification and are in all respects in conformance with the contract requirements. I further certify that items have been fabricated to established specification to confirm with DWG. NO. D3320 Rev. D.								
15. Signature 			16. Title QC Manager					
17. Name Jason Chanthyvong			March 30, 2016					